What is claimed is:

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apparatus for separating beating and a material, comprising:

- a conical stationary shell having a first beating section,
- a ring-shaped stationary disc provided outside the conical stationary shell and having a second beating section,
- a conical rotor including a third beating section facing said first beating section to create a gap between the first beating section and the third beating section for the material to pass therethrough,
- a ring-shaped rotor disc provided outside the conical rotor and including a fourth beating section facing said second beating section to create a gap between the second beating section and the fourth beating section for the material to pass therethrough, and
- attached to rotational shaft the conical rotor for supporting and rotating the same.
- 2. An apparatus according to claim 1, wherein the second beating 20 section of the ring-shaped stationary disc and the fourth beating section of the ring-shaped rotor disc are machined discs.
 - 3. An apparatus according to claim 1, wherein the ring-shaped stationary disc is connected to and moved independently relative to the conical stationary shell parallel to a longitudinal direction of the rotational shaft.
 - 4. An apparatus according to claim 1, wherein the ring-shaped rotor disc is connected to and moved independently relative to

the conical rotor parallel to a longitudinal direction of the rotational shaft.

- 5. An apparatus according to claim 1, wherein the conical type stationary shell is divided into at least an upstream section and a downstream section with respect to a material flow, and the conical rotor is divided into at least an upstream section and a downstream section with respect to the material flow.
- 10 6. An apparatus according to claim 1, wherein said first and third beating sections face each other so that a distance between the first and third beating sections is gradually decreased along a flow direction of the material.
- 7. An apparatus according to claim 6, wherein said gap between the second and fourth beating sections is narrower than the distance between the first and third beating sections.
- 8. An apparatus according to claim 1, wherein said apparatus is a 20 refiner for papermaking.
 - 9. An apparatus according to claim 1, wherein said apparatus is an agitating apparatus for papermaking.

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